

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

1. (Currently amended) A method for controlling an electrical machine [[(5)]]
for modifying a position of a movable machine part, comprising the steps of:
detecting a position of the movable machine part; and
varying at least one parameter of at least one member of with a control
unit [[(1) having]] selected from the group consisting of a configurable speed
regulator (26) and/or and a configurable additional regulator (28) and the
electrical machine (5) being provided in order to vary a position of a
movable machine part (7, 8), with the position (29) of the movable machine
part (7, 8) being detected, characterized in that at least one parameter (31)
of the speed regulator (26) and/or at least one parameter (33) of the
additional regulator (28) are/is varied as a function of the position [[(29)]] of
the movable machine part [[(7, 8)]].
2. (Currently amended) The method as claimed in claim 1, characterized in
that wherein the additional regulator is at least one of the following regulator
types is used as the additional regulator (28): selected from the group
consisting of position regulator, traction regulator, torque regulator, and-pilot
control.
3. (Currently amended) The method as claimed in claim 1 [[or 2]],
characterized in that wherein the electrical machine is a linear motor (5) is
used as the electrical machine (5), with the linear motor (5) having a primary
part [[(7)]] and a secondary part [[(8)]], with either the primary part [[(7)]] or
the secondary part [[(8) being a]] representing the movable machine part of
the linear motor (5), and at least one parameter (31) of the speed regulator
(26) and/or at least one parameter (33) of the additional regulator (28) being
varied as a function of the position of the movable machine part.

4. (Currently amended) The method as claimed in ~~one of claims 1 to 3~~ ~~claim 1, characterized in that wherein the varying step includes the step of using a function [[(35)]] or a table (37) is used in order to vary the parameter (31, 33).~~
5. (Currently amended) The method as claimed in ~~one of claims 1 to 4~~, ~~claim 1 characterized in that wherein the detecting step includes the step of executing a reference run of the electrical machine (5) is carried out in order to determine the parameters (31, 33) parameter which are is dependent on the position of the movable machine part.~~
6. (Currently amended) The method as claimed in ~~one of claims 1 to 5~~ ~~claim 1, characterized in that further comprising the step of measuring one physical parameter which in particular is a magnetic field parameter is measured as a function of the position [[(29)]] of the machine parts [[(7, 8)]], and the parameter [[(31, 33)]] of a regulator ~~the member~~ is varied as a function of the position [[(29)]] of the machine part [[(7, 8)]] and as a function of the physical parameter.~~
7. (Currently amended) An apparatus for controlling an electrical machine [[(5)]] ~~for modifying a position of a movable machine part, [[with the]] comprising a control system having a configurable speed regulator [[(26)]] and a configurable additional regulator [[(28)]], and the electrical machine (5) being provided in order to vary the position of the machine part (7, 8), with the position of the machine part [[(7, 8)]] being measurable, characterized in that wherein at least one parameter [[(31)]] of the speed regulator [[(26)]] and/or at least one parameter [[(33)]] of the additional regulator [[(28) can be varied]] is variable as a function of the position [[(29)]] of the machine part [[(7, 8)]].~~

8. (Currently amended) The apparatus as claimed in claim [[6]] 7,
~~characterized in that this apparatus is intended to carry for carrying~~ out the
method as claimed in ~~one of claims 1 to 6~~ claim 1.
9. (New) The method of claim 6, wherein the physical parameter is a magnetic
field parameter.